

Seqlist
SEQUENCE LISTING

<110> Krause, Hans Juergen
Baust, Lisa
Dickes, Michael

<120> FORMULATION OF HUMAN ANTIBODIES FOR TREATING TNF-ALPHA
ASSOCIATED DISORDERS

<130> BBC-166

<140> 10/222140

<141> 2002-08-16

<160> 34

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 108

<212> PRT

<213> Artificial Sequence

<220>

<223> mutated human antibody

<400> 1

Pro	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	
1				5					10					15		
Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Gly	Ile	Arg	Asn	
			20					25					30			
Tyr	Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	
		35					40					45				
Ile	Tyr	Ala	Ala	Ser	Thr	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	
	50					55					60					
Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	
65					70					75					80	
Pro	Glu	Asp	Val	Ala	Thr	Tyr	Tyr	Cys	Gln	Arg	Tyr	Asn	Arg	Ala	Pro	
				85					90					95		
Tyr	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys					
			100					105								

<210> 2

<211> 122

<212> PRT

<213> Artificial Sequence

Seqlist

<220>

<223> mutated human antibody

<400> 2

Pro	Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15	
Arg	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Asp	Asp
			20					25						30	
Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			
Val	Ser	Ala	Ile	Thr	Trp	Asn	Ser	Gly	His	Ile	Asp	Tyr	Ala	Asp	Ser
		50				55					60				
Val	Glu	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu
65					70					75					80
Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr
				85					90					95	
Cys	Ala	Lys	Val	Ser	Tyr	Leu	Ser	Thr	Ala	Ser	Ser	Leu	Asp	Tyr	Trp
			100					105					110		
Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser						
		115					120								

<210> 3

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<212> PRT

<213> Artificial Sequence

<220>

<223> mutated human antibody

<220>

<221> VARIANT

<222> 10

<223> Xaa = Thr or Ala

<400> 3

Pro	Gln	Arg	Tyr	Asn	Arg	Ala	Pro	Tyr	Xaa
1				5					10

<210> 4

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<213> Artificial Sequence

<220>

<223> mutated human antibody

Seqlist

<220>

<221> VARIANT

<222> 13

<223> Xaa = Tyr or Asn

<400> 4

Pro Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Xaa
1 5 10

<210> 5

<211> 8

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<223> mutated human antibody

<400> 5

Pro Ala Ala Ser Thr Leu Gln Ser
1 5

<210> 6

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> mutated human antibody

<400> 6

Pro Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val
1 5 10 15
Glu Gly

<210> 7

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<212> PRT

<213> Artificial Sequence

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<223> mutated human antibody

<400> 7

Pro Arg Ala Ser Gln Gly Ile Arg Asn Tyr Leu Ala

Seqlist

1

5

10

<210> 8

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> mutated human antibody

<400> 8

Pro Asp Tyr Ala Met His

1

5

<210> 9

<400> 9

000

<210> 10

<400> 10

000

<210> 11

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> mutated human antibody

<400> 11

Pro Gln Lys Tyr Asn Ser Ala Pro Tyr Ala

1

5

10

<210> 12

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> mutated human antibody

<400> 12

Seqlist

Pro Gln Lys Tyr Asn Arg Ala Pro Tyr Ala
1 5 10

<210> 13

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> mutated human antibody

<400> 13

Pro Gln Lys Tyr Gln Arg Ala Pro Tyr Thr
1 5 10

<210> 14

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<223> mutated human antibody

<400> 14

Pro Gln Lys Tyr Ser Ser Ala Pro Tyr Thr
1 5 10

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<220>

<223> mutated human antibody

<400> 15

Pro Gln Lys Tyr Asn Ser Ala Pro Tyr Thr
1 5 10

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<213> Artificial Sequence

Seqlist

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<223> mutated human antibody

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Pro	Gln	Lys	Tyr	Asn	Arg	Ala	Pro	Tyr	Thr
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<210> 17

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<213> Artificial Sequence

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<223> mutated human antibody

<400> 17

Pro	Gln	Lys	Tyr	Asn	Ser	Ala	Pro	Tyr	Tyr
1				5					10

<210> 18

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<212> PRT

<213> Artificial Sequence

<220>

<223> mutated human antibody

<400> 18

Pro	Gln	Lys	Tyr	Asn	Ser	Ala	Pro	Tyr	Asn
1				5					10

<210> 19

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<212> PRT

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<223> mutated human antibody

<400> 19

Pro	Gln	Lys	Tyr	Thr	Ser	Ala	Pro	Tyr	Thr
1				5					10

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Seqlist

<211> 10
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<400> 20
Pro Gln Lys Tyr Asn Arg Ala Pro Tyr Asn
1 5 10

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<223> mutated human antibody

<400> 21
Pro Gln Lys Tyr Asn Ser Ala Ala Tyr Ser
1 5 10

<210> 22
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<400> 22
Pro Gln Gln Tyr Asn Ser Ala Pro Asp Thr
1 5 10

<210> 23
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<400> 23
Pro Gln Lys Tyr Asn Ser Asp Pro Tyr Thr

Seqlist

1

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<210> 24

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<213> Artificial Sequence

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<223> mutated human antibody

<400> 24

Pro Gln Lys Tyr Ile Ser Ala Pro Tyr Thr

1

5

10

<210> 25

<211> 10

<212> PRT

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<220>

<223> mutated human antibody

<400> 25

Pro Gln Lys Tyr Asn Arg Pro Pro Tyr Thr

1

5

10

<210> 26

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> mutated human antibody

<400> 26

Pro Gln Arg Tyr Asn Arg Ala Pro Tyr Ala

1

5

10

<210> 27

<211> 13

<212> PRT

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Seqlist

<223> mutated human antibody

<400> 27

Pro Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu Asp Asn
1 5 10

<210> 28

<211> 13

<212> PRT

<213> Artificial Sequence

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<223> mutated human antibody

<400> 28

Pro Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu Asp Lys
1 5 10

<210> 29

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<223> mutated human antibody

<400> 29

Pro Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu Asp Tyr
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<223> mutated human antibody

<400> 30

Pro Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu Asp Asp
1 5 10

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Seqlist

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<223> mutated human antibody

<400> 31

Pro Ala Ser Tyr Leu Ser Thr Ser Phe Ser Leu Asp Tyr
1 5 10

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<223> mutated human antibody

<400> 32

Pro Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu His Tyr
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<212> PRT

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<223> mutated human antibody

<400> 33

Pro Ala Ser Phe Leu Ser Thr Ser Ser Ser Leu Glu Tyr
1 5 10

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<223> mutated human antibody

<400> 34

Pro Ala Ser Tyr Leu Ser Thr Ala Ser Ser Leu Glu Tyr
1 5 10